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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/982,993	10/22/2001	Alfred Wing Kin Chan	401432	8236

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EXAMINER

NICHOLSON, ERIC K

ART UNIT	PAPER NUMBER
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3679

DATE MAILED: 07/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/982,993

Applicant(s)

Alfred Wing Kin Chan

Examiner

Eric Nicholson

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 May 2003.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 9.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Objections

Claims 1-6 are objected to because of the following informalities: The claims now recite that the thickness of the collar is substantially equal to the thickness of the internally threaded portion. It is unclear how this can be since the internally threaded portion is tapered and therefore varies in thickness as shown in the drawings and the collar does not vary in thickness as shown in the drawings. Clearly there are portions of the internal thread that do not equal the thickness of the collar thickness. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 4 are rejected under 35 U.S.C. § 102(b) as being clearly anticipated by U.S. patent 272,574 to Miles. The Miles device is directed to a protective pipe coupling with body with preformed threads (s) and includes an integral extension thread protective collar (b) which holds a sealing compound (o) which acts to protect the unused threads of the pipe (a). The end portion of the collar (b) appears to be the same thickness as the internal thread portion (s).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S.

patent 272,574 to Miles in view of U.S. patent 2,234,957 to Boynton. As noted above Miles discloses the claimed device except for the internal threads are not disclosed to be tapered. Boynton discloses that it is known in the art to provide a similar type coupling with the body 5 having internal tapered threads and a collar extension of the same thickness as the internal thread. It would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute the internal straight thread (s) of Nuttall with the tapered internal thread as taught by Boynton, in order to provide a more secure coupling for the inserted tube due to increased compressibility and wedging of the tapered threads on the male threaded pipe.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. patent 272,574 to Miles in view of U.S. patent 4,730,855 to Pelletier. Miles discloses the claimed invention as noted above however the elbow fitting is not stated to be made of galvanized iron material. Pelletier teaches that it is old and well known to fabricate pipe elbows from galvanized material. It would have been obvious to one having ordinary skill in the art at the time the invention was made to construct the elbow of Reich from galvanized material as taught by Pelletier, since it has been held to be within the general skill of a worker in the art to select a

known material on the basis of its suitability for the intended use as a matter of obvious design choice. *In re Leshin*, 125 USPQ 416.

Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. patent 272,574 to Miles in view of U.S. patent 2,234,957 to Boynton as applied to claim 2 above and further in view of U.S. patent 4,730,855 to Pelletier. Miles and Boynton discloses the claimed invention as noted above however the elbow fitting is not stated to be made of galvanized iron material. Pelletier teaches that it is old and well known to fabricate pipe elbows from galvanized material. It would have been obvious to one having ordinary skill in the art at the time the invention was made to construct the elbow of Reich from galvanized material as taught by Pelletier, since it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. *In re Leshin*, 125 USPQ 416.

Conclusion

Applicant's arguments with respect to claims 1-6 have been considered but are moot in view of the new grounds of rejection.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Nicholson whose telephone number is (703) 308-0829. The examiner can normally be reached on Tuesdays thru Fridays from 7:30 to 6:00.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Browne, can be reached on (703) 308-1159. The fax

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phone number for Technology Center 3600 is (703) 872-9326 for "before final" papers and (703) 872-9325 for "after final" papers.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center receptionist whose telephone number is (703) 308-1113.

ekn
7/2/03
W@H


Eric K. Nicholson
Primary Examiner
Technology Center 3600